

AMENDMENTS TO THE SPECIFICATION:

Please amend the Title (as it appears in the published priority PCT application) to read:

pH MEASURING DEVICE WITH AN AXIALLY MOVABLE PENETRATING ELECTRODE

Please insert the following heading on page 1, above line 2: --FIELD OF THE INVENTION--

Please amend the paragraph beginning on page 1, line 2, as follows:

The present invention relates to a measuring device having a penetrating electrode of the type defined in the definition of the species of Patent Claim 1. The present invention also relates to a measuring device, a method for manufacturing a measuring device and an application thereof.

Please insert the following heading on page 1, above line 5: --BACKGROUND OF THE INVENTION --

Please amend the paragraph beginning on page 2, line 12, as follows:

~~The object of the present invention is therefore~~ Accordingly, it is desirable to provide a measuring device which is designed to be sturdier with respect to loads in the axial direction of the penetrating electrode. Furthermore, a method and an application are also described.

Please insert the following heading on page 2, above line 15: --SUMMARY OF THE INVENTION--.

Please delete the paragraph beginning on page 2, line 15, as follows:

~~The object regarding the device is achieved according to the present invention by a measuring device having the features of Patent Claim 1 and a portable measuring device having the features of Patent Claim 24. The object regarding the method is achieved by a method according to Patent Claim 26, and the object regarding the application is achieved by a use according to Patent Claim 28.~~

Please amend the following paragraph beginning on page 2, line 20, as follows:

According to one embodiment of the present invention, the elongated first electrode of the measuring device is mounted so that it is movable in its axial direction and may thus yield to a certain extent into the housing of the measuring device in the event of a load, i.e., an impact in the axial direction. This impact-absorbing characteristic makes it possible in most cases to prevent breakage of the first electrode, which is preferably designed as a glass electrode.

Please insert the following heading on page 5, above line 21: --BRIEF DESCRIPTION OF THE DRAWINGS--

Please insert the following heading on page 6, above line 20: --DETAILED DESCRIPTION OF VARIOUS EMBODIMENTS--

Please amend the paragraph beginning on page 8, line 18, as follows:

In contrast, a spring 22 is provided in the exemplary embodiment in Figure 4. This spring 22 is situated between glass electrode 2 and base plate 12. Spring 22 is secured in base plate 12 by a receptacle device 23 provided specifically for this purpose and is sealed to the outside by an ~~ear ring~~ O-ring 24.

Please insert the following paragraph beginning on page 13, line 7:

Other embodiments of the invention will be apparent to those skilled in the art from a consideration of the specification or practice of the invention disclosed herein. It is intended that the specification and examples be considered as exemplary only, with the true scope and spirit of the invention being indicated by the following claims.

Please delete pages 14-16 in their entirety.